

**Table 4.2.11. Supplementary Table S3** Effect of volatile compound produce by biocontrol agents on induction of Polyphenyloxidase activities in chilli leaves against *R. solanacearum* in glasshouse condition

Treatment s	Polyphenol oxidase activity ( $\Delta$ OD/min/mg protein)					
	0hapi	24hapi	48hapi	72hapi	96hapi	Mea n value
T1 (Control)	0.012 $\pm$ 0.001 <sub>b</sub>	0.016 $\pm$ 0.001 <sup>f</sup>	0.022 $\pm$ 0.002 <sup>f</sup>	0.019 $\pm$ 0.001 <sup>d</sup>	0.018 $\pm$ 0.002 <sup>d</sup>	0.017
T2 ( <i>B. subtilis</i> KA9)	0.012 $\pm$ 0.001 <sub>b</sub>	0.026 $\pm$ 0.001 <sub>e</sub>	0.043 $\pm$ 0.001 <sub>e</sub>	0.051 $\pm$ 0.004 <sup>b</sup> <sub>c</sub>	0.032 $\pm$ 0.001 <sup>c</sup>	0.032
T3 ( <i>P. fluorescens</i> PDS1)	0.015 $\pm$ 0.001 <sub>a</sub>	0.032 $\pm$ 0.001 <sub>d</sub>	0.060 $\pm$ 0.001 <sub>d</sub>	0.051 $\pm$ 0.001 <sup>b</sup> <sub>c</sub>	0.037 $\pm$ 0.003 <sup>b</sup> <sub>c</sub>	0.039
T4 ( <i>B. subtilis</i> KA9 + RS)	0.012 $\pm$ 0.001 <sub>b</sub>	0.043 $\pm$ 0.001 <sub>c</sub>	0.064 $\pm$ 0.001 <sub>c</sub>	0.060 $\pm$ 0.003 <sup>a</sup> <sub>b</sub>	0.041 $\pm$ 0.003 <sup>a</sup> <sub>b</sub>	0.044
T5 ( <i>P. fluorescens</i> + RS)	0.012 $\pm$ 0.001 <sub>b</sub>	0.047 $\pm$ 0.001 <sub>b</sub>	0.074 $\pm$ 0.001 <sub>b</sub>	0.054 $\pm$ 0.004 <sup>b</sup> <sub>c</sub>	0.041 $\pm$ 0.003 <sup>a</sup> <sub>b</sub>	0.045
T6(RS+ KA9+ PDS1)	0.013 $\pm$ 0.001 <sub>b</sub>	0.055 $\pm$ 0.001 <sub>a</sub>	0.082 $\pm$ 0.001 <sub>a</sub>	0.064 $\pm$ 0.003 <sup>a</sup>	0.048 $\pm$ 0.003 <sup>a</sup>	0.052
T7 (RS)	0.012 $\pm$ 0.001 <sub>b</sub>	0.027 $\pm$ 0.001 <sub>e</sub>	0.045 $\pm$ 0.003 <sub>e</sub>	0.049 $\pm$ 0.002 <sup>c</sup>	0.044 $\pm$ 0.002 <sup>a</sup> <sub>b</sub>	0.035
Mean value	0.012	0.035	0.055	0.049	0.037	-
C.D.	0.002	0.002	0.004	0.008	0.008	-
SE(m)	0.001	0.001	0.001	0.003	0.003	-
SE(d)	0.001	0.001	0.002	0.004	0.004	-
C.V.	9.712	4.407	5.664	12.544	15.400	-